<u>Amendments to the Claims:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

7. (Currently Amended) A nonvolatile memory system comprising:

a plurality N of nonvolatile storages<u>, each storage including</u> ~~within which~~ at least one cluster of data ~~is~~ recorded, ~~with~~ <u>where</u> each cluster <u>is</u> constructed by a plurality K of sectors;

address designating means for designating an address of the cluster in which data is recorded<u>; and</u>

recording means for recording data into a storage location at the address designated by said address designated means[[;]]<u>,</u>

wherein[[,]] said plurality <u>N</u> of <u>nonvolatile</u> storages ~~are~~ <u>is</u> divided into a plurality of segments[[;]]<u>,</u> each ~~said~~ segment ~~is~~ distributed and arranged into said plurality of storages[[;]]<u>,</u> ~~and each~~ said <u>each</u> segment ~~is~~ composed of a plurality of clusters, ~~and a~~ <u>where each cluster of</u> first N clusters of ~~a given~~ <u>said each</u> segment ~~each having~~ <u>is configured to consecutively store</u> first to Kth entire sectors ~~successively stored~~ in first to Kth memory locations, respectively, of a corresponding one <u>storage</u> of said <u>plurality</u> N <u>of nonvolatile</u> storages, ~~whereby~~ <u>such that</u> said <u>first</u> N clusters <u>of each segment</u> are continuously arranged across said N storages.

8. (Previously Presented) The nonvolatile memory system according to claim 7, wherein an access is performed with reference to a logical cluster address/physical cluster address conversion table that is formed for each segment.

9. (Previously Presented) The nonvolatile memory system according to claim 7, wherein second sector data is transferred to a second storage and first sector data is written into a first storage immediately after the first sector data is transferred to the first storage.

10. (Currently Amended) The nonvolatile memory system according to claim 7, wherein a segment address, a storage address, and a sector address are created for recording data into said plurality N of ~~said~~ nonvolatile storages.

11. (Currently Amended) A data processing system comprising:

a plurality N of nonvolatile storages, each storage including ~~within which~~ at least one cluster of data ~~is~~ recorded, ~~with~~ where each cluster is constructed by a plurality K of sectors; and

a data processing apparatus ~~having~~ including:

address designating means for designating an address of the cluster in which data is recorded; and

recording means for recording data into a storage location at the address designated by said address designated means[[;]],

wherein[[,]] said plurality N of nonvolatile storages ~~are~~ is divided into a plurality of segments[[;]], each ~~said~~ segment ~~is~~ distributed and arranged into said plurality of storages[[;]], ~~and each~~ said each segment ~~is~~ composed of a plurality of clusters, ~~and a~~ where each cluster of first N clusters of ~~a given~~ said each segment ~~each having~~ is configured to consecutively store first to Kth entire sectors ~~successively stored~~ in first to Kth memory locations, respectively, of a corresponding one storage of said plurality N nonvolatile storages, ~~whereby~~ such that said first N clusters of each segment are continuously arranged across said N storages.

12. (Previously Presented) The data processing system according to claim 11, wherein an access is performed with reference to a logical cluster address/physical cluster address conversion table that is formed for each segment.

13. (Previously Presented) The data processing system according to claim 11, wherein second sector data is transferred to a second storage and first sector data is written into a first storage immediately after the first sector data is transferred to the first storage.

14. (Currently Amended) The data processing system according to claim 11, wherein a segment address, a storage address, and a sector address are created for recording data into said plurality N of ~~said~~ nonvolatile storages.

15. (Currently Amended) A nonvolatile memory device comprising:

a plurality N of nonvolatile storages, each storage including ~~within which~~ at least one cluster of data ~~is~~ recorded, ~~with~~ where each cluster is constructed by a plurality K of sectors[[;]],

wherein[[,]] said plurality N of nonvolatile storages ~~are~~ is divided into a plurality of segments[[;]], each ~~said~~ segment ~~is~~ distributed and arranged into said plurality of storages[[;]], ~~and each~~ said each segment ~~is~~ composed of a plurality of clusters, ~~and a~~ where each cluster of first N clusters of ~~a given~~ said each segment ~~each having~~ is configured to consecutively store first to Kth entire sectors ~~successively stored~~ in first to Kth memory locations, respectively, of a corresponding one storage of said plurality N of nonvolatile storages, ~~whereby~~ such that said first N clusters of each segment are continuously arranged across said N storages.

16. (Previously Presented) The memory device according to claim 15, wherein an access is performed with reference to a logical cluster address/physical cluster address conversion table that is formed for each segment.

17. (Previously Presented) The memory device according to claim 15, wherein second sector data is transferred to a second storage and first sector data is written into a first storage immediately after the first sector data is transferred to the first storage.

18. (Currently Amended) The memory device according to claim 15, wherein a segment address, a storage address, and a sector address are created for recording data into said plurality N of ~~said~~ nonvolatile storages.

19. (Currently Amended) A method of recording data in a nonvolatile memory having a plurality N of nonvolatile storages, comprising the steps of:

defining at least one cluster of data to be recorded on each storage of said plurality N of nonvolatile storages, ~~with~~ where each cluster is constructed by a plurality K of sectors;

providing an address of the cluster in which data is to be recorded; and

recording data into a storage location at the address designated by the designated address[[;]],

wherein[[,]] said plurality N of nonvolatile storages ~~are~~ is divided into a plurality of segments[[;]], each ~~said~~ segment ~~is~~ distributed and arranged into said plurality of storages[[;]], ~~and each~~ said each segment ~~is~~ composed of a plurality of clusters, ~~and a~~ where each cluster of

first N clusters of ~~a given~~ said each segment ~~each having~~ is configured to consecutively store first to Kth entire sectors ~~successively stored~~ in first to Kth memory locations, respectively, of a corresponding one storage of said plurality N of nonvolatile storages, ~~whereby~~ such that said first N clusters of each segment are continuously arranged across said N storages.

20. (Previously Presented) The method according to claim 19, wherein an access is performed with reference to a logical cluster address/physical cluster address conversion table that is formed for each segment.

21. (Previously Presented) The method according to claim 19, wherein second sector data is transferred to a second storage and first sector data is written into a first storage immediately after the first sector data is transferred to the first storage.

22. (Currently Amended) The method according to claim 19, wherein a segment address, a storage address, and a sector address are created for recording data into said plurality N of ~~said~~ nonvolatile storages.

23. (Previously Presented) The memory system according to claim 7, wherein N is at least three.

24. (Previously Presented) The data processing system according to claim 11, wherein N is at least three.

25. (Previously Presented) The memory device according to claim 15, wherein N is at least three.

26. (Previously Presented) The method according to claim 19, wherein N is at least three.